

**DRAFT SCHEDULE OF QUANTITY**

Name of work:- Remodelling of F.I.S. Dhamul Kuhl in Tehsil Shahpur Distt.Kangra (HP).  
(SH:- C/O Head weir 20mtrs long).

Estimated Cost: - Rs. 286587.00  
Earnest money: - Rs. 5730.00  
Time Limit: - 6 (Six) months

S/No.	Sub-head and items of work.	Quantity	Rate in		Unit	Amount.
			Figures.	Words.		
1	2	3	4	5	6	7
1	Excavation in foundations,trenches etc.in all kinds of soil such as pick,jumper work,blasting chiselling soft/hard rock where blasting is prohibited,slushy daladal and saturated soil including pumping or bailing out water ramming and dressing of sides ,levelling of beds to correct grade stacking the useable and unserviceable material/soil not more than 3 mtrs. clear from the edge of excavation separately and after completing civil work or laying, jointing,testing of pipes, returning the stacked soil intranches in 15cm layers and consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated earth as directed within all leads and lifts.	40.50 Cum			P/Cum	
2	Providing and laying cement concrete 1:2:4(1 cement: 2sand: 4graded stone agg.20mm nominal size)and curing complete excluding cost of form work reinforcement for reinforced concrete cement concrete work in foundation and plinth complete within all leads and lifts.	35.10 Cum			P/cum	
3	Providing and laying cement concrete 1:3:6(1 cement: 3sand: 6graded stone agg.40mm nominal size) and curing complete excluding the cost of form work in foundation and plinth within all leads and lifts.	4.50 Cum			P/cum	
4	providing form work with steel plates 3.15mm thick welded with angles iron in frame 30x30x5mm so as to give a fair finish i/c centring,shuttering,propping etc.height of propping and centring below supporting floor to ceiling not exceeding 4 mtrs.height of propping and centring below supporting removal of the same for insitu work in:-					
4.1	In vertical surfaces such as walls (any thickness) partitions and the like i/c attached, pillasters plinth and string courses and the like within all leads and lifts.	75.51 Sqmt			P/sqmt	
5	Providing mild/tor steel reinforcement for RCC work i/c bending, binding and placing in position complete upto floor two level within all leads and lifts.	1053.00 Kgs			P/kg	

**Terms and conditions: -**

- The rates shall be inclusive of carriage of materials within all leads and lifts and no extra cost will be paid for this.
- The contractor shall be responsible for watch and ward of the materials at site of work.
- The work shall be executed as per HP.IPH specifications and to the entire satisfaction of the Engineer-In-Charge.
- Nothing shall be paid for the rejected materials and/or for the work executed below specifications.
- Crushed stone aggregate having no silt be used and no water borne aggregate will be allowed.
- Cement shall be issued by the department at IPH store Shahpur @ Rs. 325/- bag & steel 8mm Rs. 4536/-qtl. 10 mm =4431/-qtl.& 12mm & 16 Rs. 4380/-qtl.
- Sales tax,security and income tax / GST as applicable shall be deducted from the bill of the contractor.
- The contractor shall have to deploy mechanical concrete mixture at site of work along with vibrator for proper compaction of the concrete work.
- Final payment shall be made after successful testing of the kuhl.
- Minimum 3 nos cube tests from site shall be got tested from NIT Hamirpur or HPPWD Laboratory located In the District as per provision of IS: 456 by the contractor at his own cost.

Executive Engineer,  
I & P.H. Division,Shahpur.

**DRAFT SCHEDULE OF QUANTITY**

Name of work:- Providing separate WSS to Baranj, Sirmani, Sidhpur & adjoining Griop of (SH:- C/O RCC U/G sector Reservoir having capacity 1,00,000 ltrs. At Node -4).

Estimated Cost: - Rs.3,97,913/-

Earnest money: - Rs.7960/-

Time Limit: - 6(Six) months.

S/No.	Sub-head and items of work.	Quantity	Rate in		Unit	Amount.
			Figures.	Words.		
1	2	3	4	5	6	7
1	Excavation in foundations, trenches etc., in earth work, lift upto 1.50 Metres stacking the excavated soil not more than 3 metres clear from the edge of the excavation and then returning the stacked soil in 15cm. layers, when required in to plinths sides of foundations etc., consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated earth as directed within all leads and lift as per entiresatisfaction of Engineer-in-charge	75.14 Cum			P/cum	
2	Providing and laying cement concrete 1:3:6 (1 cement:3 sand:6 graded stone aggregate 40mm nominal size) excluding the cost of centring and shuttering in Foundations and plinth within all leads and lifts.	8.72 Cum			P/cum	
3	Providing and laying cement concrete 1:1.5:3 (1 cement :1.5: Sand : 3 graded stone aggregate 20 mm nominal size and curing complete excluding cost of form work. & rein forcement for reinforces concrete work in :-					
(i)	Foundation , footing, bases of columns and the like & mass concrete within all leads and lifts.	10.9 Cum			P/cum	
(ii)	Suspended floors roofs, landings and shelves and their supports, balconies, beams, girders, bressumers and cantilevers upto floor level within all leads and lifts.	1.06 Cum			P/cum	
(iii)	Wall ( any thickness but not less than 0.10 mts. Thickness) attached pillasters, buttresses plinth & string courses etc. from top of found.level upto floor two level within all leads and lifts.	14.84 Cum			P/cum	
(iv)	Arches exceeding 6.00 mtr. Span within all leads and lifts.	3.89 Cum			P/cum	
4	Providing form work with steel plates 3.15mm thick welded with angles iron in frame 30x30x5mm so as to give a fair finish i/c centring,shuttering,propping etc.height of propping and centring below supporting floor to ceiling not exceeding 4 mtrs.height of propping and centring below supporting removal of the same for in situ work in reinforced concrete & plain concrete work:-.					
(i)	Vertical surfaces such as walls (any thickness) partitions and the like including attached pillasters,buttresses,plinth and string courses and the like within all leads and lifts.	148.44 Sqmt			P/ sqmt.	
(ii)	Arches exceeding 6.00 mtr. Span within all leads and lifts.	38.93 Sqmt			P/ sqmt.	
5	Providing in RCC work smooth finishing of the exposed surface with cement mortar 1:3 (1 cement : 3 sand) within all leads and lifts.	148.44 Sqmt			P/ sqmt.	
6	Providing tor /mild steel reinforcement for RCC work i/c bending, binding and placing in position complete upto floor two level within all leads and lifts.	2414.18 Kg.			Kg.	
7	Steel work welded in built up sections, trusses and framed work, including cutting ,hoisting ,fixing in position and applying a priming coat of red lead paint:- In grating, framed, guards, bars, ladders, railing, brackets & similar work within all leads and lifts.	28.05 Kg.			Kg.	
8	Laying, jointing and testing of trenches GMS/MS tubes (L/M Class) tube fitting ( Earth work in trenches to be measured & paid for separately). Within all leads and lifts. 80mm dia	21.00 Rmts.			P/Rmt.	
9	Providing & fixing CI Sluice valve ( with hand wheel) as per IS: 780:1984 class -I upto 300mm dia. ( i/c brass spindle & as per 2906-1984 class-II for dia. 300 mm ) complete with bolts nuts, rubbe insertion etc., ( the tail piece if required shall be measured & paid for separately). within all leads and lifts. 80mm dia	4.00 Nos.			Each	
10	Providing & fixing SFRC Man Hole cover with frame having frames size of 560 mm internal dia. Should not be less than 100 Kg within all leads and lifts.	2.00 Nos.			Each	

Terms and conditions: -

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- 2 The contractor shall be responsible for watch and ward of the materials at site of work.
- 3 The work shall be executed as per HP.IPH specifications and to the entire satisfaction of the Engineer-In-Charge.
- 4 Nothing shall be paid for the rejected materials and/or for the work executed below specifications.
- 5 Crushed stone aggregate having no slit be used and no water borne aggregate will be allowed.
- 6 Cement shall be issued by the department at IPH store Shahpur @ Rs. 325/- bag & steel Rs. 4450/-qtl.
- 7 The Statuary taxes as applicable shall be deducted from the bill of the contractor.
- 8 The contractor shall have to deploy mechanical concrete mixture at site of work along with vibrator for proper compaction of the concrete work.
- 9 Final payment shall be made after successful testing of the Work.
- 10 The contractor/firm should have completed atleast two work of same nature of work.

**Executive Engineer,  
I&P.H. Division,Shahpur**

**DRAFT SCHEDULE OF QUANTITY**

Name of work:- C/O of Separate LWSS Branj, Sirmani, Sidhpur, an d adjoining group of Villages in Tehsil Shahpur Distt. Kangra(HP).

(SH: - P/L & Rising Main 80 mm dia (Butt Welded).

Estimated Cost: Rs.4,16,433/-

Earnest money :Rs.8330/-

Time Limit :6(six) Months.

Sr. No	Discription of Items	Qty	Rate		unit	Amount
			In Figure	In words.		
1	2	3	4	5	6	
1	Excavation in foundation trenches etc. in (pipes and pits ) in all kinds of soil such as pick work, Blasting work,soft/hard rock, blasting by chiesling soft / hard rock where blasting is prohibited in	880.88 Cum			P/Cum	
2	Laying, jointing and testing of beveled ended G.I. pipe with circumferrital butt welded joints every two joints (67%) by electrical are welding thincless shall be equal to pipe wall thincses)and					
2.1	R/Main					
	<b>Stage I</b>					
	Sr. No	Reduced Distanc Dia of Pipe	Thickness	Flange	Bends	Net Length
	1	0.00 to 60.00 80.00 mm	M-Class	T-5	5	56.25 mtrs
						56.25 Mtrs.
2.2	R/Main					
	<b>Stage II</b>					
	Sr. No	Reduced Distar Dia of Pipe	Thickness	Flange	Bends	Net Length (mtrs)
	1	0 to 960 80 mm	H-Class	T-28	15	948.75
	2	960 to 1470 80 mm	M-Class	T-17	7	504.75
	3	170 to 1680.1 80 mm	M-Class	T-5	6	205.50
						948.75 Mtrs.
						504.75 Mtrs.
						205.50 Mtrs.
3	Providing and fixing bends of different degrees to be made/ fabricated from the parent MSERW pipe ( as specified in item-2 ) with three or four gaskets ( having radius not less than five times					
3.1	R/Main					
	<b>Stage I</b>					
	Sr. No	Reduced Distanc Dia of Pipe	Thickness	Flange	Bends	
	1	0.00 to 60.00 80.00 mm	M-Class	T-5	3	
						3 Nos.
3.2	R/Main					
	<b>Stage II</b>					
	Sr. No	Reduced Distar Dia of Pipe	Thickness	Flange	Bends	
	1	0 to 960 80 mm	H-Class	T-28	11	
	2	960 to 1470 80 mm	M-Class	T-17	7	
	3	170 to 1680.1 80 mm	M-Class	T-5	4	
						11 Nos.
						7 Nos.
						4 Nos.
4	Providing and fixing of cast iron air valve of leader make having test pressure of 11.22 Kg./Cm <sup>2</sup> confirming to BS: 1452.9 complete in all respect.					2 Nos.

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- The contractor shall be responsible for watch and ward of the materials at site of work.
- The work shall be executed as per HP.IPH specifications and to the entire satisfaction of the Engineer-In-Charge.
- Nothing shall be paid for the rejected materials and/or for the work executed below specifications.
- The G.I.pipe will be issued to contractor free of cost from divisional store Shahpur .
- The sale tax,security and income tax/GST as applicable shall be deducted from the bill of the contractor.
- Final payment shall be made after successful testing of the scheme.
- The contractor /firm should have completed atleast two work of same nature of work.

**Executive Engineer,  
I & PH Division, Shahpur**